

ABSTRACT OF THE DISCLOSURE

The present invention provides an orientation independent apparatus for applying a uniform coating of a dental powder as well as a method of operating the orientation independent apparatus. The present invention can be used in the preparation of a replica tooth during restorative dental work. Included in the present invention is an orientation independent dental powder applicator with a powder reservoir having an introductory circumferential plenum chamber, inner circumferential chamber and outer circumferential plenum chamber. Desiccated pressurized air enters the powder reservoir from a desiccant chamber and fluidizes dental powder located in either the inner circumferential chamber or outer circumferential plenum chamber. The powder reservoir is designed to allow pressurized air to flow around the entire perimeter of either the inner circumferential chamber or outer circumferential plenum chamber. The fluidized dental powder then travels into an acceleration chamber and ultimately through an applicator tube directed at a dental site.

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